

Title (en)
Laser system with an optical cable connector

Title (de)
Lasersystem mit einem optischen Kabelverbindungselement

Title (fr)
Système laser avec un connecteur de câble

Publication
EP 2196833 A3 20110622 (EN)

Application
EP 09252777 A 20091214

Priority
KR 20080126774 A 20081212

Abstract (en)
[origin: EP2196833A2] A laser system (100) including an optical cable jumper(10) with input and output terminals, and a laser gun (30), wherein the optical jumper (10) transmits a laser beam from a bundle-type optical cable (1) connected to an input terminal thereof to a single-type optical cable (2) connected to an output terminal thereof. The laser gun (30) is connected to the single-type optical cable (2) at a rear of the optical cable jumper (10) to illuminate the laser beam to a target object.

IPC 8 full level
G02B 6/24 (2006.01); **G02B 6/42** (2006.01); **G02B 6/32** (2006.01)

CPC (source: EP KR US)
B23K 26/035 (2015.10 - KR); **G02B 6/26** (2013.01 - KR); **G02B 6/32** (2013.01 - EP US); **G02B 6/4204** (2013.01 - EP US)

Citation (search report)

- [XY] US 5394492 A 19950228 - HWANG CHERNG J [US]
- [XY] US 2007237453 A1 20071011 - NIELSEN MARTIN D [DK], et al
- [Y] US 5068515 A 19911126 - VAN DEN BERGH HUBERT [CH], et al
- [Y] US 2004042718 A1 20040304 - KOHNS PETER [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 09252777 A 20091214; CN 200910254265 A 20091214; JP 2009279708 A 20091209; KR 20080126774 A 20081212; US 63599109 A 20091211